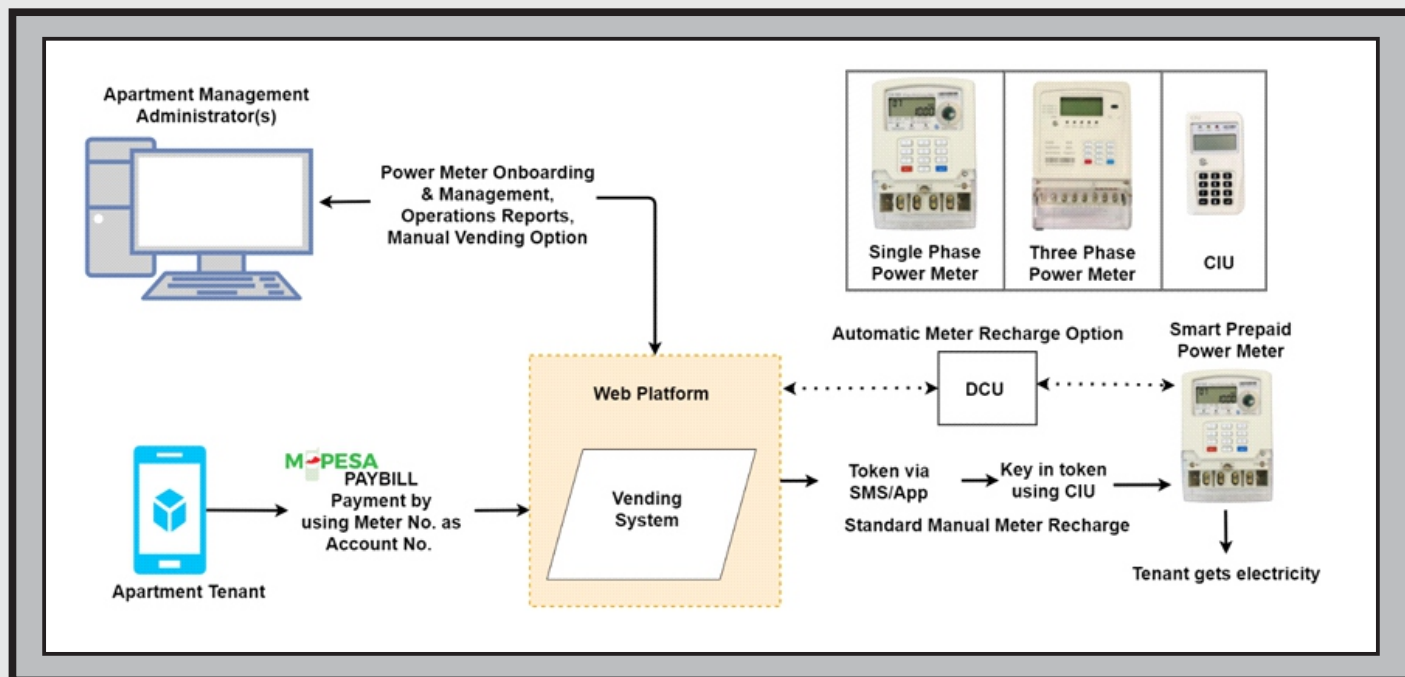




# Prepaid Power Metering



Daylife Prepaid Power Metering System is a comprehensive solution that offers effective power submetering for apartment and commercial facility owners. The high-quality system consists of industry-standard compliant smart prepaid power meters and a web-based vending platform for power credit token generation. The meter recharge process is facilitated by 20-digit tokens delivered to power consumers through SMS or mobile app. Automated recharge option is possible with installation of Data Concentrator Unit (DCU) that enables wireless communication between the vending system and the smart prepaid meters.

The system enforces prepayment of electricity and provides real-time information on power purchases thereby enabling defaulter management and promoting power conservation. Also, it offers numerous other benefits for facility management including reduced operational costs and improved overall service efficiencies. The key features of the product:

- STS compliant power meters with integrated keypad, built in relay control and wireless communication as a standard. Options available include customer interface unit (CIU) and power line communication (PLC).
- Active energy measurement with class 1 accuracy (IEC62053) and detection of significant reverse power.
- Programmable load limit and low credit warning with disconnection on overload and power credit depletion.
- Detection and record of tamper events including opening cover, reverse connection and blackout.
- Replaceable meter battery with a long lifetime of up to 7 years.
- Dual source meter option available with automated switching to diesel generator tariff.
- Web-based vending platform for kiosk vending with user rights management and vending reports.
- Integration with mobile money systems for direct payment to service providers' accounts by consumers.

## PERFORMANCE DATA

MODEL	SINGLE PHASE	THREE PHASE
Nominal Voltage (Un)	230V (-30% ~ +20%)	3 x 230/400V (-30% ~ +20%)
Nominal current (In)	5A	10A
Maximum Current (Imax)	80A	100A
Nominal Frequency (Fn)	50/60Hz	50/60Hz

**Temperature range:** -25°C ~ +70°C

**IEC Protection Class:** Class II

**Voltage Impulse withstand:** 8kV, 1.2/50μs

**Ingress Protection Rating:** IP54

**Insulation Level:** 4kV, 1min